Public Works (1905) Department.

G.O., No. 1089-90 I.

DATED 9-11-1905.

90/3 copies of G.O.
22/2 copies of Endt.
with docket at the back for the G. of I.
30 copies of Endt. for records.
11/11/05

[Despatch Abstract.]

Paralai drainage channel, Periyar Project.

An estimate, amounting to Rs 4066, for improvements to the ——, sanctioned, and a copy of the Pros: ordered to be forwarded to the Government of India for information.

Paralai drainage channel, Periyar Project.

Forwarding a copy of the Pros: sanctioning an estimate, amounting to Rs 4066, for improvements to the ——

P. W. 26.
2,000—7-7-05.

Indexed. 11/11/05 F.E.J.

Registered
10.11.05

S.B.M. 9.11.05 9/11/05

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1905} of Madras.

PUBLIC WORKS.

Recd. } 1905. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 1089, 1090 I., 9th November 1905.

NOVEMBER.

Paralai drainage channel, Periyar Project

Forwarding a copy of the Proceedings sanctioning an estimate, amounting to Rs. 4,066, for improvements to the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From the Superintending Engineer,	VI	Circle,	dated	3rd Feb.	1905,	No.	89 C.E.
To the	,,	VI	,,	,,	10th	,,	,,	,, 429.
From the	,,	VI	,,	,,	27th April	,,	,,	293 C.E.
To the	,,	VI	,,	,,	30th June	,,	,,	2025.

From C. A. SMITH, Esq., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 5th October 1905, No. 668 C.E.

With reference to your No. 2025, dated 30th June 1905, I have the honour to forward copy of letter No. 833-S.E., dated 30th September 1905, from the Executive Engineer, Madura Division, with its enclosures, from which you will see that the additional revenue which may be expected from the execution of the work may be taken as Rs. 681.

Under these circumstances I request that the estimate which I return herewith may now be sanctioned.

ENCLOSURES.

From M.R.Ry. A. V. RAMALINGA AIYAR Avargal, B.A., B.C.E., Executive Engineer, Madura Division, to the Superintending Engineer, VI Circle, dated 30th September 1905, No. 833-S.E.

With reference to your No. 2596, dated 4th July 1905, I have the honour to return herewith the estimate for improving the Paralai drainage channel together with a copy of Collector's R. Dis. No. 900/Rev. of 1905, dated 18th September 1905, from which it will be seen that by the proposed improvements to the channel there will be net increase in revenue by Rupees 881-4-0 per annum. Early sanction to the estimate is awaited.

I do not, however, agree with the Special Deputy Collector that any credit can be taken for the increase of revenue for second crop cultivation under the tank both from old wet and dry; as increase in revenue, if any, should be attributed to the formation of the cross roads from Alanganallore to Tanichiyam and to the gradual improvement of the lands by the ryots and not to the improvement of the drain or the abandonment of the tank.

The net revenue will be Rs. 681-4-0.

REPORT to accompany the estimate for improving the Paralai drainage channel.

	RS.
Amount of estimate	3,720

General.—There is an important cross drainage work at 17 miles, 3 furlongs 225 feet, Periyár main canal, and the drainage channel taking off from it finally tails into Inam Paralai tank.

Drainage channel.—The drainage water which flows down the channel, spills over the adjoining wet lands and consequently seriously affects the produce. It is therefore proposed to widen and deepen the channel as per sections enclosed. The drain is designed to carry a rain run-off of 3″ in 24 hours over the catchment, and the necessary hydraulic details are noted in the plans. The drainage channel up to C.S No. 15 will also serve as a supply channel for irrigating the bed and ayacut of Kallanai west tank (a tank which has already been abandoned under estimates sanctioned in R. Nos. 19 and 20 of 1899–1900 and 208 of 1900–1901).

Masonry works.—It is therefore proposed to construct a regulator and drop combined at C.S. No. 15 as per accompanying plan and estimate, to send down an adequate supply to the fields without difficulty.

Banks.—Regular banks will be formed to a height of 3 feet above M.F.L. on both sides of the drain between C.S. Nos. 12 and 15 to prevent the drainage water spilling over the side fields and entering Kallanai tank. In other places the earth available from cutting will be thrown to serve as banks where necessary.

Land compensation.—Provision is also made in the estimate for acquiring and demarcating the land required for widening and deepening the channel. The cost of land entered within has been fixed by the Collector of Madura.

Results anticipated.—It will be seen from the statement of damaged lands attached, that the improvements now proposed will greatly benefit the ryots holding lands on either sides of the channel, though not directly remunerative to Government.

Note by the Chief Engineer for Irrigation.

With the first of the papers read above, the Superintending Engineer, VI Circle, submitted an estimate, amounting to Rs. 3,720, for improving the Paralai drainage channel, which takes off from an undertunnel at 17 miles, 3 furlongs and 225 feet of the Periyár main channel, Periyár project. The proposed improvements included the deepening and widening of the drainage channel stated to be necessary in order to prevent the drainage water from spilling over and damaging the wet lands bordering the drain. The estimate also provided for constructing a combined drop and regulator for supplying 314 acres under the Kallanai tank, which had been abandoned.

2. In this office memorandum No. 429, dated 10th February 1905, the Superintending Engineer was informed that the Chief Engineer for Irrigation was not in favour of the proposal of combining the drainage arrangements with those of irrigation which always led to complaints. The Superintending Engineer was at the same time requested to state whether the soil would stand the high velocity of 4·75 feet per second below the proposed regulator and whether the work was not likely to be endangered by scour. In reply he forwarded copy of a letter from the Executive Engineer, Madura Division, who stated that it was not possible, unless at a great cost, to separate the drainage works from those of irrigation in this case and that the nature of soil below the regulator was sufficiently stiff to prevent scour. As regards the question as to what increase of revenue may be expected from the proposed improvements, the Superintending Engineer now states that an additional revenue of Rs. 681 may be anticipated. It is recommended that the estimate be sanctioned.

3. The work is classed as "remunerative" and will probably be completed by the 31st March 1907.

(Signed) A. H. GARRETT,
Chief Engineer for Irrigation.

3rd November 1905.

ORDER—No. 1089 I., dated 9th November 1905.

The following estimate is sanctioned :—

Imperial.
Capital expenditure not charged to Revenue.
49. Irrigation.
Periyár Project.
Open Capital Account.
I. Works.
4. Drainage and Protective Works.
Remunerative work.
Improvements to the Paralai drainage channel.

	RS.	RS.
B. Land—		
(1) Compensation for land	2,217	2,217
C. Works—		
(2) Constructing a drop and regulator combined at 4,200 feet	310	310
L. Earthwork—		
(3) Cutting and banking the drainage channel	1,160	1,160
O. Miscellaneous—		
(4) Demarcation stones	33	33
Total, I. Works ...		3,720
II. Establishment ...		346
Total ...		4,066

2. This sanction is registered as No. 131 I. of 1905–1906 and will expire on the 31st March 1907.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 1090 I., dated 9th November 1905.]

(True Extract.)

(Signed) A. H. GARRETT,
Joint Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, VI Circle, with plans and estimates.
„ Examiner, Public Works Accounts.

ENDORSEMENT—No. 1090 I., dated 9th November 1905.

Forwarded.

(By order.)

(Signed) A. H. GARRETT,
Joint Secretary to Government,
Irrigation Branch.

Exd. T. Lutchmiah Naidu.

500—24-10-[illegible]

CURRENT FILE.

Stock Form No.
3,000—18-7-02.

1

Public Works (1905.) Department.

CURRENT No. ~~532~~ Pwl 10761/05

From

[Name] C. J. U S S H E R Esquire.,

[Designation] Superintending Engineer, VI Circle,

[Station] Trichinopoly.

No. 89 CE

Dated 3 February 1905.

Enclosures { Plans 7, Others 2 } Total. 9

Spare copies

Received 4. 2. 1905

Registered Do 190 .

Passed on, by—

Registering Clerk 190 .

U. R. Clerk 190 .

Referencer 190 .

Record Supdt. 190 .

Drafting Officer 190 .

SUBJECT

Perala drainage channel. Submitting for sanction an estimate Rs 3720 for improving

BACK PAPERS.

FURTHER PAPERS.

2

To

The ~~Secretary to Government~~ Chief Engineer, ~~Public Works Department.~~

For Irrigation,

MADRAS.

Sir,

Encl.
1. Estimate
7. Tracings
1 Copy of letter

I have the honor to forward for approval and sanction - an estimate amounting to Rs.3,720 for improving the Paralai -- Drainage Channel, one of the important cross drainage works in the Periyar affected tract, Madura Taluq. At present drainage water spills over the wet lands bordering the drain and causes damage to the wet lands. It is therefore proposed to deepen and widen the channel, and to construct a regulator, combined with a drop, for the supply of lands depending on Kallanai tank which has been already abandoned.

2. Necessary plans are forwarded and a report is attached to the estimate. A copy of Executive Engineer's letter No.46-E, dated 18th January 1905 affording further information is also forwarded.

3. The work is unremunerative and it may be expected to be completed by the end of March 1906.

I have the honor to be,

Sir,

Your most obedient servant,

[signature]

Superintending Engineer,

VI Circle.

P.N.
2.2.06

3

No. 429
10.2.05

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

ENTERED IN THE CALL BOOK.

DESPATCHED
DATE 10.2.1905
ENCLOS. 9

1 Esti.
7 Drawings
1 Copy of letter

Memo

In returning herewith the plans and estimate amounting to Rs 3720 for improving the Parali drain received with letter No. 89 C.E. d/ 3rd instant from the S.E. 6th Circle the undersigned has the honour to observe that the positions of Cross sections on longl. section do not in all cases agree with the positions in the Survey. The undersigned is not in favour of mixing up drainage and irrigation when it can be avoided. It always leads to complaints. It is not understood why the work is classed as "unremunerative" seeing that it is intended partly for the supply of 314 acres.

2. The S.E. is requested to be so good as to state whether

4

other arrangements could not be made for the supply of the 314 acres.

3. The S. E. is further requested to state whether the soil will stand the high velocity of 4.75 ft per sec below the regulator & if this work is not likely to be endangered by scour & cutting back

[illegible]
6/2/05

[illegible]
6.2.05

The S.E. VI Circle

[illegible]
6/2/05

[illegible] 1076/05

5

Ms
6/5/05

Stock Form No.
3,000—18-7-02.

Public Works (1905.) Department.

To be registered

CURRENT No. ~~2173~~ En 3
10761/05

From

[*Name*] C. A. S M I T H Esquire.,

[*Designation*] Superintending Engineer, VI Circle,

[*Station*] Trichinopoly.

No. 293 CE

Dated 27 April 1905

Enclosures {*Plans* 7, *Others* 2} *Total.* 9

Spare copies

Received 3. 5. 1905.

Registered 6. 5. 1905.

Passed on, by—

Registering Clerk 190 .

U. R. Clerk 190 .

Referencer 190 .

Record Supdt. 190 .

Drafting Officer 190 .

SUBJECT

Peruvle Drainage channel. Resubmitting the estimate for — & informing that it is not possible to separate drainage from Irrigation

BACK PAPERS.

CE 2
check estt
[illegible]
DE 2
4/5/05.

FURTHER PAPERS.

8/5/05

6

To

The ~~Secretary to Government~~ Chief Engineer, ~~Public Works Department.~~

For Irrigation,

MADRAS.

Improvements to Parali Drainage Channel.

Sir, Page 39 c f Your No. 429 dated 10th February 1905.

-----:::-----

I have the honor to forward copy of Executive Engineer's No. 276-S.E., dated 13th April 1905 from which it will be seen - that in the present case it is not possible to separate the --- drainage and irrigation without incurring considerably increased expense and under the circumstances I recommend that the estimate may be sanctioned.

I have the honor to be,

Sir,

Your most obedient servant,

27/4

Superintending Engineer,

VI Circle.

Enclosures:-9.
1 Estimate file.
7 Tracings.
1 Copy of Ex. Engr's No. 276-S.E. dated 13-4-05.

CHIEF ENGINEER FOR IRRIGATION.
6-MAY 1905
No. 2173

97

Copy of a letter No.46-E, dated 18th January 1905,

CHIEF ENGINEER FOR IRRIGATION.
532 4-FEB 1905
No.

from M.R.Ry, A.V.Ramalinga Aiyar Avl., B.A. B.C.E., Executive Engineer, Madura Division, to the Superintending Engineer, VI Circle, Trichinopoly.

With reference to your No.4239 dated 26th October 1904, I have the honor to report that the drainage water from small subsidiary drains (on the left of the proposed drain) too insignificant to be shewn in the map, and the surplus from Malay Koundan Urani shewn in the sketch map (which has a catchment area of 3/8 Sq.miles) enter the proposed drain between C.S.Nos.11 & 13. Wherever these drains enter, no banking will be formed. Before the work was estimated the channel was personally inspected by me and estimated for. The improvement of the drain is necessary to prevent drain water entering Kallani west tank which is proposed to be abandoned. The Local Fund Department are constructing a culvert across the drain and -- therefore no provision was made in the estimate and herewith resubmitted for sanction.

Superintending Engineer,

VI Circle.

H d
No 2025
30.6.05

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

DESPATCHED
DATE 30.6. 1905
ENCLOS. 9

1. Cable
7 Tracings
1 Copy of letter

INDEXED.

Memo

With reference to his letter No 293 C.E., d/ 27th April 1905, submitting an estimate amounting to Rs 3,720 for improving the Paralai drainage channel connected with the Periyar Project, the Superintending Engineer, Sixth Circle is requested to furnish, as soon as possible in consultation with the Collector, information as to the revenue expected from the proposed irrigation of the area of 314 acres shewn on the plan accompanying the estimate

T.W.C.
for C.E.
27/6/05

To
The Supg Engr VI Circle
With Este & plans

[illegible] 28.6.05

79

Copy of letter No.276-S.E., dated 13th April 1905, from M.R.Ry, A.V.Ramalinga Aiyar Avl., B.A. B.C.E., Executive Engineer, Madura Division, to the Superintending Engineer, VI Circle, Trichinopoly.

CHIEF ENGINEER FOR IRRIGATION. 6 MAY 1905 No. 2173

CHIEF ENGINEER FOR IRRIGATION. 11 ... 1905 No. 4841/2

With reference to your endorsement No.675 dated -- 16th February 1905 on Irrigation Chief Engineer's Memo. No.42 dated 10th February 1905, I have the honor to inform you that as the survey map is drawn to a very small scale, it is not found possible to show exactly the position of the cross sections and that the information - noted in the cross sections can safely be taken as accurate. The work can be classed as Remunerative. It is not possible unless at great cost to separate drainage from irrigation in this particular instance. The nature of soil below Regulator is sufficiently ~~stiff enough~~ stiff to prevent scour and cutting bank.

Lastly, I may state that the work is absolutely necessary and recommend strongly that the estimate may be sanctioned at an early date. The estimates with all its enclosures are herewith returned.

A. Smith
27/4

Superintending Engineer,

VI Circle.

500-6-4-04.

NOTES.

+10

Current No. 532

D.E.I.

Orders are requested if the estm may be checked for sanction.

[illegible]

4.2.05 E.I.

Soil & subsoil at site of regulator are not given concrete foundn is allowed & we may be safe in assuming that it is nothing harder than gravel as the rate for earthwork throughout is 2-14-0

The drain below has a fall of 1 in 300 & an average velocity of 4.75 ft per sec the soil cannot stand this & the regulator is likely to be washed away.

So far as the drain is concerned a certain amount of scour is immaterial but the case is altered when expensive regulators are built. I think it would be better to increase the bedfall above the regulator, omit this work & supply Kallanai tank from the 3rd branch by an aqueduct

FWTS
4/2/05

The position of cross sections on longitudinal section do not in all cases agree with the position in the survey. Take cross section 16 for instance

I do not like mixing up drainage and irrigation when it can be avoided. It always leads to complaints. I do not understand why the present link is classed as unremunerative, seeing that it is intended partly for the supply of 314 acres.

I doubt whether the link proposed would be in danger from the steep fall of the bed below it, unless there are indications of cutting back.

The widening of drain may be necessary but S.E. should be asked to say whether other arrangements could not be made for the supply of the 314 acres.

W.J.

5.2.05

5 12

[E. I. Form No. 42—600—23-8-04.]

Public Works Department,

Irrigation Branch.

Current No. 532/4-2-05 & 2173/6-5-05

Letter No. 89 CE 293 CE

Dated 3-2-05 27-4-05

From The S.E. 6th Circle (Mr. C. J. Weller)

Prepared by the Ex. Engr. Madura (Mr. Ramalingaiah)

NOTE by Technical Section.

Name of work. Improving the Paralai drainage chal in the Periyar affected parts. Madura taluk.

Amount of Estimate Rs. 3720 ✓

It is stated that the drainage at present spills over the wet lands bordering the drain and cause damage to them. It is proposed to deepen & widen the drainage chal to carry a run off of 3" in 24 hours. The total length of the drain is 7775 ft. The drainage area varies from 1 to 2.40 sq miles and the discharge from 87 to 194 cft per sec. From 0 to 3300 ft the bed width will be 5 ft with fall 1 in 650, depth 3 ft & slopes 1½ to 1. From 3300 to 4200 ft, the bed width will be 15 ft of fall 1 in 650 & depth 2½ ft. The remaining portion will have a bottom width of 12 ft, fall 1 in 300 depth 2½ ft & slopes 1½ to 1. Banks are allowed on both sides where necessary to 3 ft above M.W.L. with 3 ft top width and slopes 1½ to 1. The drain is also used as a supply chal up to 4200 ft where a combined drop & regulator has been provided for the supply of the bed and ayacut of the Kallarai West tank (abandoned) to the extent of about 314 acres. A field chal from the regulator to a length of 1300 ft with bed width 3 ft, depth 1½ ft, fall 9" in 1000 to discharge 9 cft per second is proposed to be excavated. This field chal will have banks

~~7~~ 13

on both sides to 2ft above F.S.L with 3ft top width and slopes 1/2 to 1.

Combined drop & Regulator at 4200ft. Bed of drain above the drop + 88.00. bed below + 85.00. sill of regulator + 87.50. area of vent 2+1; length of drop = 13½. Soil & subsoil are not noted on the plan: depth of foundations allowed 2ft.

The Estimate & hydraulic particulars have been checked.

Seen
19.V.05

[illegible]
19-5-05.

14

D.E.1.   9

On p. 7 of C.F. it is said the work can be classed as remunerative.

[illegible]

6.6.05

D.E.2

A work to be classed as remunerative should, under para 2155 II (i) of the Code, be directly remunerative in itself. In this case, a drainage scheme is inseparably combined with an irrigation scheme, which is expected to bring under irrign about 300 acres of land. For a nearly analogous case, reference is requested to G.O. No. 7098 dated 17.9.01 in which the Peddaravur drain (Kistna System) and side channel were both classed as "unremunerative" works.

Flag 15

A.S.M.
7.6.05. The cases are not analogous as this drain will irrigate the Kallanai West Tank

16

bed now abandoned.
I think for the work
to be classed as
remunerative the
area & expected
revenue from this
tank bed should
be ascertained.
an este for abandoning
the tank bed has
been sanctioned but
probably by a local
officer. this should
contain the required
inform^n p 12 c f

WHS
8/6/05.

D.I.

As the greater portion of the outlay is for drainage purposes, the estimate was classed as "Unremunerative"; and this is in accordance with the concluding portion of the Ex Engr's report & the S.E's letter. Submitted that the question may be referred to C for favour of opinion

* pp 12 & 13 of C.

[illegible]
12.6.05

[illegible]

416

No. 1878.
16.6.15

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

EXAMINER,
P. W. ACCOUNTS.
16 JUN 1905
No. 4452 B

B

B2
16/6

Enc. - 1 file with Estc:
D.O. + 7 plans &c.

C.

The estd for improvements to Paralai drainage channel which would ordinarily be an unremunerative work contains an arrangement for irrigating certain lands. The details of expected revenue from the work are not stated but the Exec Engr says the work can be classed as remunerative. The greater part of the expenditure is for unremunerative purposes & the question is presuming that the expected revenue returns 4 per cent or more on the whole amount

1317

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

of the estt should it be classed as remunerative or should it be classed unremunerative on account of most of the expenditure being for an unremunerative purpose. Will you please advise

[illegible]

14/6/05.

No. 3141 B/BK dated 21st June 1905.

To

E.I.

If the expected revenue returns 4 per cent or more on the whole amount of the estimate, the work should in my opinion, be classed as "Remunerative" even though the greater portion of the expenditure is for unremunerative purposes.

[illegible] 21/6/5

Offg. C.

CHIEF ENGINEER FOR IRRIGATION.
22 JUN 1905
2855
No.

[illegible] 22-6-05

D.E. [illegible] 21/6/05

Memo to the S.E. asking for

B.R.O. 4841/05

for revenue information is submitted for approval

M.L.
23.6.05 D.I.

The revenue information called for in the above memo having now been received a draft order is submitted for approval

M.L.
1.11.05 [signature]
2/11

D.I.

Submitted that the draft order may now issue

[initials]
4/11

Issue
[signature]
4/11/05.

C.S.I.
Please [illegible] plans [illegible]
[initials]
4/11

P. W. Form No. 1.

CURRENT No. 10761
PASSED ON BY 7.11.05
R. C.
U. R. C.
REF.
R. K.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Improvements to the Paralai Drainage channel. Madura Dt.

READ the following

From the Supg. Engineer VI Circle d/3rd Feby.1905 No.89 C.E.

To - - - - - - - d/10th Feby.1905 No 429

From - - - - - - - d/27th April 1905 No.293 C.E.

To - - - - - - - d/30th June 1905 No.2025

From - - - - - - - d/5th Octr.1905 No.668 C.E.

Note by the Chief Engineer for Irrigation.

With the first of the papers read above, the Supg. Engineer, VI Circle, submitted an estimate amounting to Rs.3,720 for improving the Paralai drainage channel, which takes off from an undertunnel at 17 miles, 3 fur and 225 ft. of the Periyar main channel, Periyar Project. The proposed improvements included the deepening and widening of the drainage channel stated to be necessary in order to prevent the drainage water from spilling over and damaging the wet lands bordering the drain. The estimate also provided for constructing a combined drop and regulator for supplying 314 acres under the Kallanai tank, which had been abandoned.

2.

2. In this office Memo No.429 dated 10th February 1905, the Supg. Engineer was informed that the Chief Engineer for Irrigation was not in favour of the proposal of combining the drainage arrangements with those of irrigation which always led to complaints. The Supg. Engineer was at the same time requested to state whether the soil would stand the high velocity of 4.75 feet per second below the proposed regulator and whether the work was not likely to be endangered by scour. In reply he forwarded copy of a letter from the Executive Engineer, Madura Division, who stated that it was not possible, unless at a great cost, to separate the drainage works from those of irrigation in this case and that the nature of soil below the regulator was sufficiently stiff to prevent scour. As regards the question as to what increase of revenue may be expected from the proposed improvements, the Supg. Engineer now states that an additional revenue of Rs.681 may be anticipated. It is recommended that the estimate be sanctioned.

p. 3 of C 7

p 13 of C 7

3. The work is classed as "remunerative" and will probably be completed by the 31st March 1907.

ORDER. No. 1089 I of 9-11-05

The following estimate is sanctioned:-

Imperial

Capital expenditure not charged to revenue

49 Irrigation

Periyar Project

3-11-05

Open Capital Account

I Works

4 Drainage & Protective Works

Remunerative work

Improvements to the Paralai drainage Channel

B Land

1 Compensation for land	2,217	2,217
C Works		
2 Constructing a drop and regulator combined at 4,200 feet - -	310	310
L Earthwork		
3 Cutting and banking the drainage channel -	1,160	1,160
O. Miscellaneous		
4 Demarcation stones	33	33
Total I Works -		3,720
II Establishment		346
T o t a l -		4,066

2. This sanction is registered as No. 131 I of 1905-06 and will expire on the 31st March 1907

3. Ordered that a copy of these proceedings be forwarded to the Government of India for information.

Endorsement No. 1090 I of 9-11-05

F o r w a r d e d

DESPATCHED 24 NOV 1905

2/11/05.

2.11.05.

To the Chief Engr. for Irrgn.
" S.E.VI with plans & estes
" Examiner P.W.Accts.

1.11.05

DESPATCHED 23 NOV 1905

3